

In the claims:

1. (original) A data carrier into which, by a laser beam, identifiers are introduced in the form of patterns, letters, numbers and/or images that are visible due to local changes in the optical properties of the data carrier, effected by the laser beam and resulting from material transformations, characterized in that:

the data carrier comprises a laser-sensitive recording layer that is transparent in the visible spectral range and that is provided with a surface relief in the form of a lens grid, such that the identifiers are introduced with the laser beam from different directions through the lens grid into the recording layer and are perceptible when viewed from those same directions, and in that

the data carrier is transparent at least in the area of the introduced identifiers.

2. (original) The data carrier according to claim 1, characterized in that the changes in the optical properties of the data carrier are visible in transmitted light.

3. (currently amended) The data carrier according to claim 1 ~~or 2~~, characterized in that the changes in the optical properties of the data carrier are visible in reflected light.

4. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 3~~, characterized in that the lens grid comprises cylindrical lenses and/or spherical lenses.

5. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 4~~, characterized in that the recording layer is formed by a non-self-supporting layer of a thickness of about 1 μm to about 800 μm .
6. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 5~~, characterized in that the recording layer is disposed in the interior of the data carrier.
7. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 6~~, characterized in that the identifiers comprise personal data, such as a signature, a birth date, a portrait or the like.
8. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 7~~, characterized in that the identifiers comprise data relating to the data carrier, such as a validity period, a card number, information about the issuing authority or institute or the like.
9. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 8~~, characterized in that the identifiers are present in screened form, the grid elements preferably being formed by rod-shaped pixels.
10. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 9~~, characterized in that the identifiers that are perceptible from different directions are present nested within each other in the recording layer.
11. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 10~~, characterized in that the data

carrier exhibits an at least partially transparent main body, in or on which the recording layer and the lens grid are disposed.

12. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 11~~, characterized in that the data carrier exhibits, in addition to the identifiers, black-and-white or colored impressions and/or further laser inscriptions.

13. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 12~~, characterized in that the data carrier is provided with one or more further security features, especially with luminescent, magnetic or electrical substances, or with optically variable structures, such as holographic structures.

14. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 13~~, characterized in that the data carrier constitutes a value document, such as a banknote, an identification card or the like.

15. (currently amended) The data carrier according to claim 1 ~~at least one of claims 1 to 13~~, characterized in that the data carrier constitutes a security element for application to a value document, such as a banknote, an identification card or the like.

16. (original) A value document, such as a banknote, identification card or the like, having a value document substrate having a window area or hole that is covered on one side or on both sides with a security element according to claim 15.

17. (currently amended) A method for manufacturing a data carrier ~~according to at least one of claims 1 to 15, in which~~ comprising the steps of:

~~the securing a laser-sensitive recording layer to the data carrier, said laser sensitive recording layer being that~~ is transparent in the visible spectral range is provided ~~and providing said laser sensitive recording layer with a~~ the surface relief in the form of a lens grid, and

subsequently, in a transparent area of the data carrier, ~~the identifiers are introduced~~ introducig a plurality of identifiers with the a laser beam directed into the recording layer through the lens grid, wherein each said identifier is introduced from a direction different from at least on other identifier, from different directions through the lens grid into the recording layer, such that the identifiers are perceptible when the data carrier is later viewed from those same directions the same direction from which it was introduced.

18. (currently amended) The method according to claim 17, characterized in that the identifiers are introduced in a screening method, and the grid elements preferably being are formed by rod-shaped pixels.

19. (original) The method according to claim 18, characterized in that the grid elements are produced by irradiating the lens grid with laser pulses.